

**Curriculum Vitae**

Notarization. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature  Date 1/11/2019

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*In general, do not list a work or activity more than once.*

**I. Personal Information**

I.A. 107440792, Ellicott, Evan, Andrew,  
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I.B. Academic Appointments at UMD

<b>II.</b>	<i>Associate Research Professor, Geographical Sciences,</i>	<i>2018 – Present</i>
	<i>Assistant Research Professor, Geographical Sciences,</i>	<i>2010 – 2018</i>
	<i>Research Associate, Geographical Sciences,</i>	<i>2009 – 2010</i>
	<i>Faculty Research Assistant, Geographical Sciences,</i>	<i>2009</i>
	<i>Graduate Research Assistant, Geographical Sciences,</i>	<i>2004 – 2009</i>

II.A. Other Employment

	<i>GIS Analyst - PBS&amp;J, Beltsville, MD</i>	<i>2003 – 2004</i>
	<i>GIS Specialist - Hydrogeologic, Herndon, VA</i>	<i>2002</i>
	<i>Imaging Technician - Kenney Aerial Mapping, Phoenix, AZ</i>	<i>2001</i>

II.B. Educational Background

	<i>Ph.D. Geography, University of Maryland, College Park, MD, USA</i>	<i>2009</i>
	<i>B.S. Environmental Science, State University of New York, Albany, NY, USA</i>	<i>1996</i>
	<i>B.A. Geography, State University of New York, Albany, NY, USA</i>	<i>1996</i>

II.C. Continuing Education

	<i>Graduate Certificate in GIS, Department of Geographical Sciences, University of Maryland, College Park, MD, USA</i>	<i>2015</i>
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II.D. Professional Certifications, Licenses, and Memberships

*Association of American Geographers (AAG)*  
*American Geophysical Union (AGU)*  
*International Association of Wildland Fire*

**III. Research, Scholarly, Creative and/or Professional Activities**

III.A. Book Chapters

III.A.1. **E. Ellicott** and E. Vermote (2011): The science and application of satellite based fire radiative energy, in *Remote Sensing of Biomass: Principles and Applications – Book 1*, edited by L. Fatoyinbo, ISBN 978-953-307-780-2, InTech Open Access Publisher, Croatia.

III.B. Refereed Journals

III.B.1. Refereed Journal Articles

- **E. Ellicott**, H. Levine, N. May, M. Gollner (in prep). Radiative energy differences between pyrophytic and non-pyrophytic wildland fuel types: A laboratory analysis. Submission pending to Fire Ecology.
- N. Maglioccaa, Q.V. Khuca, A. de Bremond, **E. Ellicott** (in review) Archetypical pathways of land-use change driven by Cambodia's large-scale land acquisitions. Review pending from Ecology & Society.
- N. May, **E. Ellicott**, M. Gollner, (accepted). An examination of fuel moisture, energy release, and emissions during laboratory burning of live wildland fuels. Review pending from Int. J. Wildland Fire.
- K. Lasko, K. Vadrevu, V. Tran, **E. Ellicott**, T. Nguyen, H. Bui, C. Justice (2017). Satellites may underestimate rice residue and associated burning emissions in Vietnam. Environ. Res. Lett., 12, <https://doi.org/10.1088/1748-9326/aa751d>.
- I. Csiszar, W. Schroeder, L. Giglio, **E. Ellicott**, B. Wind, K. Prasad Vadrevu, and C. Justice, (2014) Active Fires from the Suomi NPP Visible Infrared Imager Radiometer Suite: Product status and first evaluation results. J. Geophys. Res. Atmos., 119, doi: 10.1002/2013JD020453.
- W. Schroeder, **E. Ellicott**, C. Ichoku, L. Ellison, M. Dickinson, R. Ottmar, C. Clements, D. Hall, V. Ambrosia, and R. Kremens, (2014), Integrated active fire retrievals and biomass burning emissions using complementary near-coincident ground, airborne and spaceborne sensor data. Remote Sensing Environment. doi: <http://dx.doi.org/10.1016/j.rse.2013.10.010>.
- J. McCarty, **E. Ellicott**, V. Romanenkov, and D. Rukhovitch, (2012), Multi-year black carbon emissions from cropland burning in the Russian Federation. Atmospheric Environment, 63, 223-238. doi:10.1016/j.atmosenv.2012.08.053.
- K. Prasad Vadrevu, I. Csiszar, **E. Ellicott**, L. Giglio, K.V.S. Badarinath, E. Vermote, and C. Justice (2012), Hotspot Analysis of Vegetation Fires and Intensity in the Indian Region, IEEE Journal of selected topics in Earth Observations and Remote Sensing, 6, 224-238, doi:10.1109/JSTARS.2012.2210699
- K. Prasad Vadrevu, **E. Ellicott**, L. Giglio, K.V.S. Badarinath, E. Vermote, C. Justice, and W.K. Lau (2012), Vegetation fires in the Himalayan region: Aerosol load, black carbon emissions and smoke plume heights, Atmospheric Environment, 47, 241-251, doi:10.1016/j.atmosenv.2011.11.009.
- K. Prasad Vadrevu, **E. Ellicott**, K.V.S. Badarinath, E. Vermote (2011), MODIS derived fire characteristics and aerosol optical depth variations during the agricultural residue burning season, north India, Environmental Pollution, 159, doi:10.1016/j.envpol.2011.03.011.
- **E. Ellicott**, E. Vermote, F. Petitcolin, and S. Hook (2009), Validation of new parametric model for atmospheric correction of thermal infrared data, IEEE Transactions on Geoscience and Remote Sensing, 47(1), p295-311.
- **E. Ellicott**, E. Vermote, L. Giglio, and G. Roberts (2009), Estimating the total fire radiative energy emitted from biomass burning using MODIS, Geophysical Research Letters, 36, L13401, doi:10.1029/2009GL038581.
- E. Vermote, **E. Ellicott**, O. Dubovik, T. Laypyonok, M. Chin, L. Giglio, and G. Roberts (2009), An approach to estimate global biomass burning emissions of Organic and Black Carbon from MODIS Fire Radiative Power, Journal of Geophysical Research, 114, D18205, doi:10.1029/2008JD011188.

III.B.2. Invited Reviews of Journal Articles

- Remote Sensing of Environment (2017). Manuscript Number: RSE-D-17-00303R1, *Predicting the minimum height of forest fire smoke within the atmosphere using machine learning and data from the CALIPSO satellite.*
- International Journal of Wildland Fire (2017). Manuscript Number: WF17137, *Evaluating the mid-infrared bi-spectral 1 index for improved assessment of low-severity fire effects in a conifer forest.*
- Remote Sensing of Environment (2017). Manuscript Number: RSE-D-16-01421R1, *Detecting high and low-intensity fires in Alaska using VIIRS I-band data: an improved operational approach for high latitudes.*
- PLOS One (2016). Manuscript Number: PONE-D-16-26637, *Global analysis of fire characteristics and the interplays among environmental factors.*
- Scientific Data (2015). Manuscript Number: SDATA-15-00115A, *Unprecedented remote sensing data from before and after California King and Rim Megafires.*
- Fire Safety Journal (2014). Manuscript Number: FISJ-D-14-00247, *An App-driven Solution for Targeted Fire Detection Worldwide using Satellites with Near-Real-Time Response Capabilities.*

III.C. Conferences, Workshops, and Talks

III.C.1. Invited Talks

- **E. Ellicott**, W. Schroeder, L. Giglio, K. Vadrevu, C. Justice, I. Csiszar, and; S. Kondragunta; Alaska Interagency Coordination Center (AICC), Fairbanks, Alaska, March 29, 2016. "Fire and Smoke: An overview of satellite products"
- **E. Ellicott**, I. Csiszar, L. Giglio, W. Schroeder, K. Vadrevu, C. Justice; the National Interagency Fire Center (NIFC) Annual Predictive Services Annual Meeting, November 22-24th, 2014, "VIIRS and MODIS Active Fire Products".
- **E. Ellicott**, I. Csiszar; GOES-R and JPSS OCONUS R2O Interchange Meeting, July 31, 2014, "Fire and Smoke Initiative".
- I. Csiszar, **E. Ellicott**, C. Schmidt; JPSS Proving Ground Seminar, April 21, 2014, "JPSS and GOES-R activities supporting 2013 fire outbreaks".
- **E. Ellicott**, I. Csiszar, P. Roohr, B. Quayle, L. Giglio, W. Schroeder, K. Vadrevu, C. Justice; NWS Incident Meteorologist (IMET) training workshop, March 14th & 21st, 2013, "Suomi-NPP (SNPP) VIIRS Active Fire: Proving Ground and Risk Reduction. A rapid delivery system of enhanced VIIRS active fire data for fire management and fire weather applications".
- **E. Ellicott**, I. Csiszar, K. Vadrevu, W. Schroeder, L. Giglio, B. Quayle, C. Justice, P. Roohr; NASA Applied Remote SENSING Training (ARSET) November 20th, 2013, "Suomi-NPP VIIRS Active Fire: Introduction to Remote Sensing for Air Quality Applications".
- **E. Ellicott**, L. Giglio, I. Csiszar, W. Schroeder, HypsIRI Science Workshop, Washington, DC, August 2011, "Practical considerations regarding the use of HypsIRI for fire monitoring".
- J. McCarty & **E. Ellicott**, Meeting on Open Burning and the Arctic, St. Petersburg, Russia, November 2010, "Remote sensing-based black carbon emission estimates from cropland burning in the Russian Federation".

III.C.2. Non-Refereed Presentations

- **E. Ellicott**, N. May, M. Gollner, H. Levine, R. Kremens; International Association of Wildland Fire – Fire Continuum Conference, May 23, 2018, "An examination of fuel moisture, energy release, and emissions during laboratory burning of live wildland fuels".

- **E. Ellicott**, A. de Bremond, N. Magliocca, K. Feng, K. Hubacek; LCLUC Spring Science Team Meeting, Rockville, Maryland, April 4, 2018, “The global land rush: A socio-environmental synthesis”.
- I. Csiszar, M. Tsidulko, W. Schroeder, L. Giglio, **E. Ellicott**; NOAA Aerosol Workshop, September 25, 2017, “VIIRS product status”.
- N. May, **E. Ellicott**, M. Gollner; 10th U. S. National Combustion Meeting, April 23-26, 2017, “Moisture content effects on energy and emissions released during the combustion of pyrophytic vegetation from various regional ecosystems”.
- **E. Ellicott**, K. Haviland, H. Zhong, A. de Bremond, K. Feng, K. Hubacek; LCLUC Spring Science Team Meeting, Rockville, Maryland, April 12, 2017, “Large-Scale Land Acquisitions (LSLAs): Global analysis and Cambodia case study”.
- M. B. Dickinson, M. Dietenberger, **E. Ellicott**, C. Hardy, A. Hudak, R.L. Kremens, W. Mathews, W. Schroeder, A.M.S. Smith, E. Strand; American Geophysical Union annual meeting, December 13, 2016, “The use of remotely-sensed wildland fire radiation to infer the fates of carbon during biomass combustion - understanding and quantifying a fire’s mass and energy budget”.
- **E. Ellicott**, M. Gollner, N. May, H. Levine, R. Kremens, W. Schroeder; GOF-C-GOLD Fire IT meeting, Santiago, Chile, November 16, 2016, “Pyrophytic plant combustion and the relationship between fuel moisture, energy released, and emissions”.
- **E. Ellicott**, M. Gollner, N. May, R. Kremens, W. Schroeder; 2nd International Smoke Symposium, Long Beach, CA, November 15, 2016, “Examination of pyrophytic plant combustion and the relationship between fuel moisture, energy released, and emissions: New Results.”
- I. Csiszar, M. Tsidulko, W. Schroeder, L. Giglio, **E. Ellicott**; NOAA Aerosol Workshop, September 14, 2016, “VIIRS fire products”.
- **E. Ellicott**, W. Schroeder, L. Giglio, K. Vadrevu, C. Justice, I. Csiszar, and; S. Kondragunta; University of Alaska, Fairbanks, Alaska, July 13, 2016. “Remote Sensing Products and Tools for Fire Science”.
- **E. Ellicott**, M. Gollner, R. Kremens, W. Schroeder; International Association of Wildland Fire Conference, Portland, OR, April 14, 2016, “Examination of pyrophytic plant combustion and the relationship between fuel moisture, energy released, and emissions.”
- M. Dickinson, M. Dietenberger, **E. Ellicott**, C. Hardy, A. Hudak, RL Kremens, W. Mathews, W. Schroeder, AMS. Smith, E. Strand; American Geophysical Union Fall Meeting, December 2<sup>nd</sup>, 2016, “The use of remotely-sensed wildland fire radiation to infer the fates of carbon during biomass combustion - understanding and quantifying a fire’s mass and energy budget”
- **E. Ellicott**, I. Csiszar, W. Schroeder, L. Giglio, K. Vadrevu, C. Justice and S. Kondragunta; NOAA Satellite Proving Ground/User Readiness Meeting, June 19, 2015, “Fire & Smoke: An overview of VIIRS products”.
- A. de Bremond, **E. Ellicott**, K. Feng, K. Hubacek; World Bank Land & Poverty Meeting, March 26, 2015, “The global ‘rush for land’: A socio-environmental synthesis”.
- **E. Ellicott**, I. Csiszar, W. Schroeder, L. Giglio, C. Justice; NOAA 2015 Satellite Conference, April 29, 2015, “The VIIRS Active Fire Data for Fire Management: A review of the Proving Ground and Risk Reduction (PGR) Project efforts”
- A. de Bremond, **E. Ellicott**, K. Feng, K. Hubacek; World Bank Land & Poverty Meeting, March 26, 2015, “Understanding LSLAs and their Land Change Dimensions: Towards socio-environmental synthesis of the global ‘rush for land’”.
- **E. Ellicott**, I. Csiszar, P. Roohr, B. Quayle, L. Giglio, W. Schroeder, K. Vadrevu, C. Justice; American Meteorological Society’s Annual Meeting, February 6th, 2014, “Suomi NPP

- (SNPP) Visible Infrared Imaging Radiometer Suite (VIIRS) Active Fire Data for Fire Management and Fire Weather Applications”.
- **E. Ellicott**, W. Schroeder, C. Ichoku, L. Ellison, M. Dickinson, R. Ottmar, C. Clements, D. Hall, V. Ambrosia, and R. Kremens; International Association of Wildland Fire – Smoke Symposium, October 24th, 2013, “Exploring uncertainty in fire radiative energy-based emission estimates”.
  - **E. Ellicott**, I. Csiszar, W. Schroeder, P. Roohr, and B. Quayle, L. Giglio, and C. Justice; NOAA Satellite Conference, College Park, MD, April 9th, 2013, “Suomi NPP (SNPP) Visible Infrared Imager Radiometer Suite (VIIRS) Active Fire Data for Fire Management and Fire Weather Applications”.
  - **E. Ellicott** & E. Vermote, American Geophysical Union Fall Meeting, San Francisco, December 2010, “Biomass burning emissions and deforestation in the Legal Amazon: 2001-2009”.
  - **E. Ellicott** & E. Vermote, Global Land Project Open Science Meeting, October 2010, “Examining fire radiative energy from biomass burning in the Legal Amazon and the connection with deforestation trends”.
  - **E. Ellicott** & E. Vermote, NCAR Early Career Scientist Assembly (ECSA) Joint Faculty Forum (JFF), July 2010, “Biomass burning emissions and deforestation in the Legal Amazon”.
  - **E. Ellicott**, E. Vermote, L. Giglio, G. Roberts, 4th Global Vegetation Workshop, June 2009, “Estimating Biomass Consumed, Fuel Loads, and Carbon Emissions from African Fires using MODIS FRE.”
  - **E. Ellicott**, E. Vermote, L. Giglio, and G. Roberts, Sigma Xi 8th Annual Student Research Conference, November 2008, “Estimating Biomass Burning Fire Radiative Energy using MODIS.”
  - **E. Ellicott**, E. Vermote, T. Laypyonok, M. Chin, and O. Dubovik, Association of American Geographers Annual Conference, April 2008, “Estimating Biomass Burning Organic and Black Carbon Particulate Matter Emissions using Fire Radiative Power.”
  - **E. Ellicott**, E. Vermote, T. Laypyonok, M. Chin, and O. Dubovik, NASA Carbon Cycles & Ecosystems Joint Science Workshop, poster, April 2008, “Estimating Biomass Burning Organic and Black Carbon Particulate Matter Emissions using Fire Radiative Power.”
  - **E. Ellicott**, Association of American Geographers Annual Meeting, April 2007, “Estimating Global Biomass Burning Emissions using Fire Radiative Power.”
  - **E. Ellicott**, E. Vermote, F. Petitcolin, and S. Hook, American Geophysical Union Annual Meeting, December 2006, “Validation of New Parametric Model for Atmospheric Correction of Thermal Infrared.”
  - **E. Ellicott**, E. Vermote, T. Laypyonok, O. Dubovik, and M. Chin, American Geophysical Union Annual Meeting, December, 2006, “Evaluation of Global Biomass Burning Carbon Emission Estimates using Fire Radiative Power.”

### III.C.3. Non-Refereed Posters

- I. Csiszar & **E. Ellicott**; NOAA Satellite Aerosol Product Workshop, September 25-26, 2017, “Status of VIIRS Fire Products”.
- **E. Ellicott**, K. Haviland, H. Zhong, A. de Bremond, K. Feng, K. Hubacek; World Bank Land & Poverty Meeting, March 22, 2017, “Large-Scale Land Acquisitions and Land Cover Change: Global Analysis and Cambodia case study”.
- **E. Ellicott**, A. de Bremond, K. Feng, K. Hubacek; Association of American Geographers (AAG) Annual Meeting, April 23, 2015, “Large-Scale Land Acquisitions and Land Cover Change: Case Studies from Cambodia and Indonesia”.

- I. Csiszar, **E. Ellicott**, W. Schroeder, L. Giglio, C. Justice, B. Wind, K. Vadrevu, P. Roohr, and B. Quayle, American Meteorological Society Annual Meeting, January 9th, 2013, “Suomi NPP (SNPP) Visible Infrared Imager Radiometer Suite (VIIRS) Active Fire Data for Fire Management and Fire Weather Applications”.
- **E. Ellicott**, E. Vermote, T. Laypyonok, M. Chin, and O. Dubovik, Graduate Research Interaction Day (GRID), April 2007, “Estimating Global Biomass Burning Emissions using Fire Radiative Power.”

III.C.4. Workshops

- A. Huff, **E. Ellicott**, and I. Csiszar; American Meteorological Society Annual Meeting, January 21, 2017, “JPSS Fire and Smoke Products: Experiencing JPSS Capabilities”.
- **E. Ellicott**, K. Vadrevu, I. Csiszar, W. Schroeder, L. Giglio, C. Justice, B. Quayle, and P. Roohr; Tactical Fire Remote Sensing Advisory Committee (TFRSAC) Spring Meeting, San Jose, CA, April 17th, 2013, “Suomi NPP VIIRS Active Fire: Proving Ground and Risk Reduction”.
- **E. Ellicott**, I. Csiszar, W. Schroeder, L. Giglio, B. Wind, and C. Justice; Tactical Fire Remote Sensing Advisory Committee (TFRSAC) Fall Meeting, NIFC Boise, ID, November 8th, 2012, “VIIRS active fire product: Current status and developments”.
- **E. Ellicott**, I. Csiszar, W. Schroeder, L. Giglio, B. Wind, and C. Justice; Tactical Fire Remote Sensing Advisory Committee (TFRSAC) Spring Meeting, Washington, DC, March 20th, 2012, “VIIRS active fire product: Current status and future plans”.

III.D. Professional and Extension Publications

III.D.1. Reports and Non-Refereed Monographs

- **E. Ellicott**, I. Csiszar W. Schroeder, L. Giglio, and K. Vadrevu (2012-2017). Suomi NPP (SNPP) Visible Infrared Imager Radiometer Suite (VIIRS) Active Fire Products Applications for Fire Management. Quarterly Reports delivered to the JPSS PGRR program office.
- **E. Ellicott** (2017). Evaluation of VIIRS fire radiative product (FRP). Report delivered to JPSS PGRR and Fire & Smoke initiative program.
- **E. Ellicott** (2017). Comparison of NASA. Report delivered to JPSS PGRR and Fire & Smoke initiative program.
- **E. Ellicott**, W. Schroeder, L. Giglio, and I. Csiszar (2016). A review of the VIIRS active fire proving ground and risk reduction (PGRR) outreach efforts. Assessment delivered to the JPSS PGRR program office.
- **E. Ellicott**, W. Schroeder, L. Giglio, K. Vadrevu, C. Justice, I. Csiszar, and S. Kondragunta (2016); “Remote Sensing Products and Tools for Fire Science”. Delivered to the Alaska Fire Service and Alaska Interagency Coordination Center.
- **E. Ellicott**, W. Schroeder, L. Giglio, and C. Justice. (2016). Evaluation of the VIIRS Imagery Band (I-band) near real-time from LANCE. Final report to NASA Sciences and Exploration Directorate (Code 600).
- M. Gollner, A. Trouve, I. Altintas, J. Block, R. de Callafon, C. Clements, A. Cortes, **E. Ellicott**, J. B. Filippi, M. Finney, and K. Ide. (2015). Towards Data-Driven Operational Wildfire Spread Modeling: A report of the NSF-Funded WIFIRE Workshop.
- **E. Ellicott**, W. Schroeder, L. Giglio, I. Csiszar, and C. Justice. (2015). VIIRS Active Fire PGRR: 2014 accomplishments. A report to the Cooperative Institute for Climate and Satellites-Maryland (CICS-MD) and PGRR program office.
- N. Govender, W. Schroeder, L. Giglio, **E. Ellicott**, R. Kremens, G. Ruecker, O. Frauenbergen, M. Wooster, M. Dejong, B. Main, R. Paugam, and A. Hoffmann. (2014).

- Validation of satellite active fire data sets using coincident prescribed fire opportunities in Kruger National Park. A report to the global change SysTem for Analysis, Research, and Training (STarT).
- J. Price, **E. Ellicott**, I. Csiszar, and C. Schmidt. (2014). VIIRS Active Fire Data for Fire Weather Applications. Feature article from the JPSS Science Seminar.
  - **E. Ellicott** (2013). Rim Fire debrief: "Boots on the Ground". Report to NOAA/PGRR program office.
  - **E. Ellicott** (2012). Suomi NPP VIIRS Active Fire Product Evaluation: An examination of several U.S. fire incidents from 2012. Technical report to NOAA/PGRR program office.

**III.E.**     Sponsored Research and Programs – Administered by the Office of Research Administration (ORA)

**III.E.1.**    Grants

- NASA, "*Sentinel 3 Data for Land Science: Calibration, Product Evaluation, Generation, and Validation*", \$575,419, 2017 – 2022, Co-investigator.
- NASA, "*The Global Land Rush: A Socio-Environmental Synthesis*", \$675,000, 2017 – 2020, Co-investigator.
- NASA, "*S-NPP/VIIRS Active Fire Algorithm and Data Record Development and Refinement*", \$602,569, 2014 –2018, Principal investigator.
- NOAA, "*JPSS Proving Ground & Risk Reduction Visiting Scientist Program*", \$75,000, 2018, Principal investigator
- NOAA, "*Suomi NPP (SNPP) Visible Infrared Imager Radiometer Suite (VIIRS) Active Fire Products Applications for Fire Management*", \$225,000, 2015 – 2018, Principal investigator.
- NOAA, "*NPP/VIIRS Land Product Validation Research and Algorithm Refinement Science and Management Support for the NPP VIIRS Active Fire Product*", \$330,318, 2015 – 2017, Co-investigator.
- NASA, "*Evaluation of the VIIRS Imagery Band (I-band) near real-time from LANCE*", \$34,640, 2016, Principal investigator.
- NOAA, "*Suomi NPP (SNPP) Visible Infrared Imager Radiometer Suite (VIIRS) Active Fire Data for Fire Management and Fire Weather Applications*", \$124,000, 2012, Principal investigator.
- NASA, "*Global estimates of biomass burning CO2 and aerosols emission from Terra and Aqua missions*", \$643,451, 2010 – 2013, Co-investigator.
- NASA, NASA Earth Systems Science Fellow, "*Estimating Global Biomass Burning Emissions Using Fire Radiative Power*", \$84,000, 2007 – 2009, Principal investigator.

**III.F.**     Gifts, and Funded Research not administered by ORA

- University of Maryland at College Park (UMCP), Council on the Environment Seed Grants for Interdisciplinary Environmental Research, "*Quantifying wildfire pollutant/aerosol emissions using simulations, data assimilation and satellite observations*", \$90,000, 2014 - 2016, Co-investigator.

**IV.**        **Teaching, Extension, Mentoring, and Advising**

**IV.A.**     Courses Taught

2014 - GEOG 415, *Land Use, Climate Change, and Sustainability*, Enrollment: 50.

**IV.B.**     Advising: Research or Clinical

**IV.B.1.**    Undergraduate

- Heather Levine, BS 2019. Civil and Environmental Engineering. Worked on lab experiments investigating fuel-type influence on radiative energy released during combustion.
- Katie Haviland, BS 2018. Geographical Sciences. Conducted statistical analysis of variables related to national-level Large-Scale Land Acquisitions (LSLAs) using R-stats package.

IV.B.2.

Master's

- Emily Colon, MA (Anthropology) 2018. Thesis: Ki Ni Bê: The fire-making practices of the Mebêngôkre-Kayapó in the Brazilian Cerrado.
- Nathaniel May, MS (Engineering) 2017. Thesis: Moisture content effects on energy and emissions released during combustion of pyrophytic vegetation

IV.B.3.

Doctoral

- Jiaying He. PhD (Geographical Sciences) 2018. Thesis: Factors and mechanisms related to fire ignitions and predicting fire occurrences in Alaskan tundra

IV.C.

Teaching Awards

- Distinguished Teaching Assistant, University of Maryland 2008 – 2009

**V. Service and Outreach**

V.A. Editorships, Editorial Boards, and Reviewing Activities

V.A.1. Reviewing Activities for Journals and Presses

- Remote Sensing of Environment
- IEEE
- International Journal of Wildland Fire

V.A.2. Reviewing Activities for Conferences

Steering committee member and reviewer for the “*Opportunities to Apply Remote Sensing in Boreal/Arctic Wildfire Management and Science*” meeting, University of Alaska Fairbanks, April 4-6, 2017.

V.B. Committees, Professional & Campus Service

V.B.1. Campus Service – Department

- Department Committee – Research faculty representative (2017-2018)
- Green Office Program representative (2011 – present)
- Coordinator of the Geography Sustainability Task Force (2010 – present)
- Department Advisory Committee (DAC) – (2016 – 2017)
- Chair Review Committee (2015 – 2016)
- Undergraduate Committee (2011 – 2012)
- Lecturer Hire Review Committee (2010)

V.B.2. Campus Service – College

- Chair - College of Behavioral and Social Science Sustainability Committee (2016 - )
- Faculty advisor for the BSOS Sustainability Task Force (STF) in 2017-18
- Co-coordinator for College of Behavioral and Social Sciences (BSOS) Sustainability Action Plan

V.B.3. Campus Service – University



- UMD Senator (2016 – 2019)
- Committee Member for the Advancement of Professional Track Faculty (2017-2018)
- UMD Senate Executive Committee member (2016-2017)

**VI. Other Information**

Outreach, Training, and Capacity Building

- Southwest Fire Coordination Center, Riverside, California. August 2017.
- Alaska Fire Service (AFS) and Alaska Interagency Coordination Center (AICC), Fairbanks, Alaska. April 2017.
- Alaska Fire Service (AFS), Alaska Interagency Coordination Center (AICC), National Weather Service (NWS), and the University of Alaska, Fairbanks (UAF), Alaska. March and July 2016.
- National Interagency Coordination Center (NICC), Boise, Idaho. September and November 2014.
- Northwest Coordination Center (NWCC), Portland, Oregon. September 2014.
- Kruger National Park, Skukuza, South Africa. August 2014.
- Interagency Meteorologist (IMET) workshop, online. March 2013
- West Fork Fire Complex, Colorado. June 2013
- Rim Fire, California. September 2013